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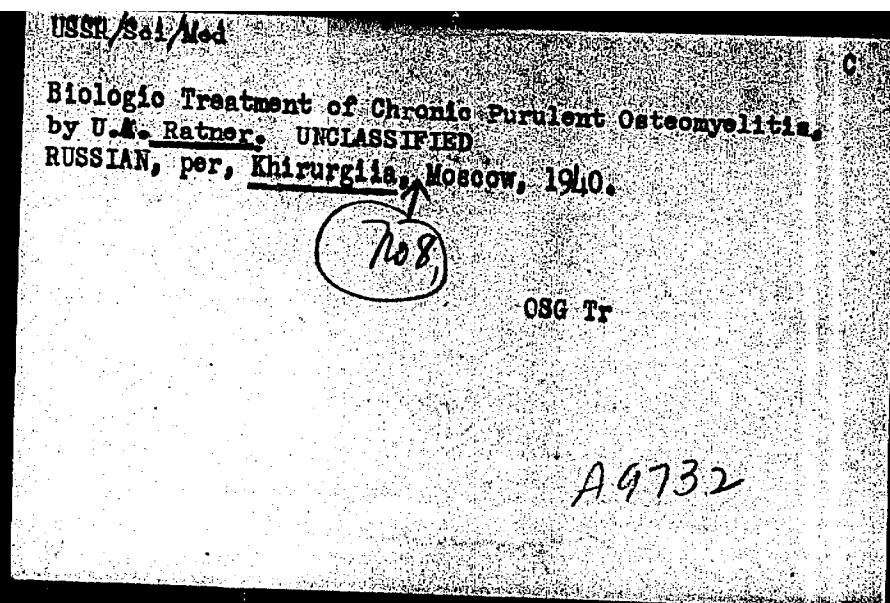
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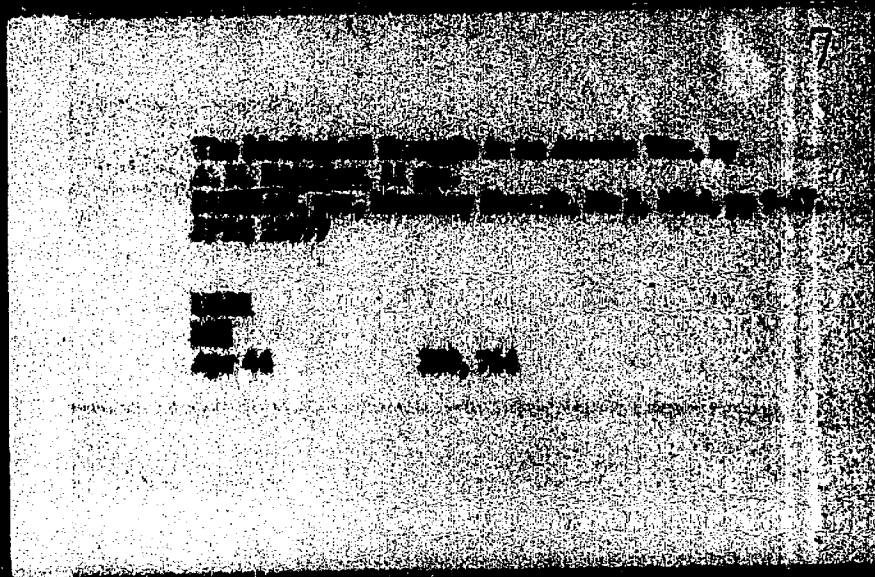
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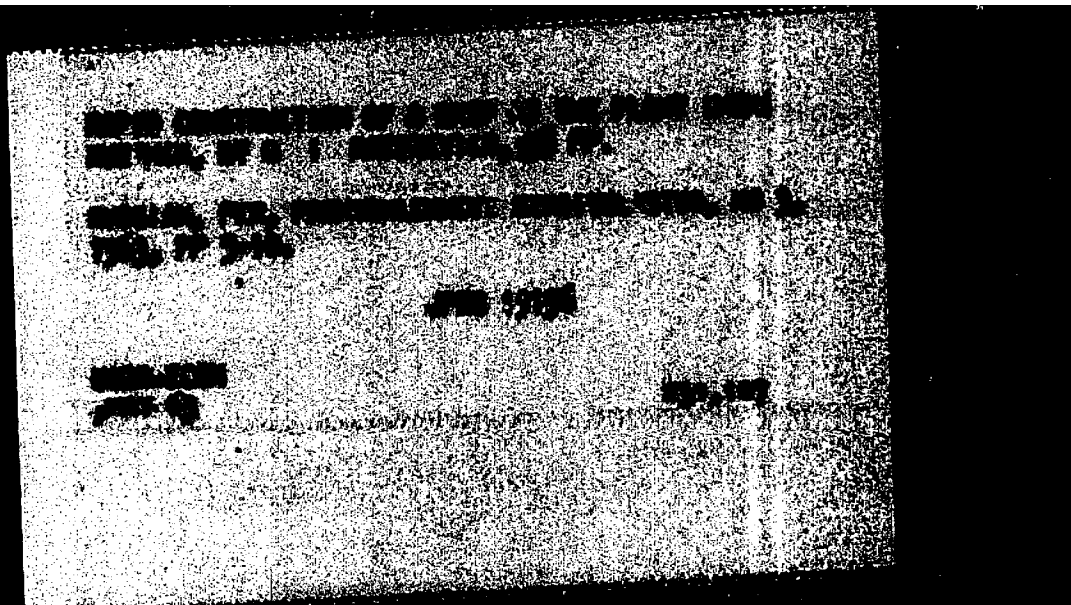
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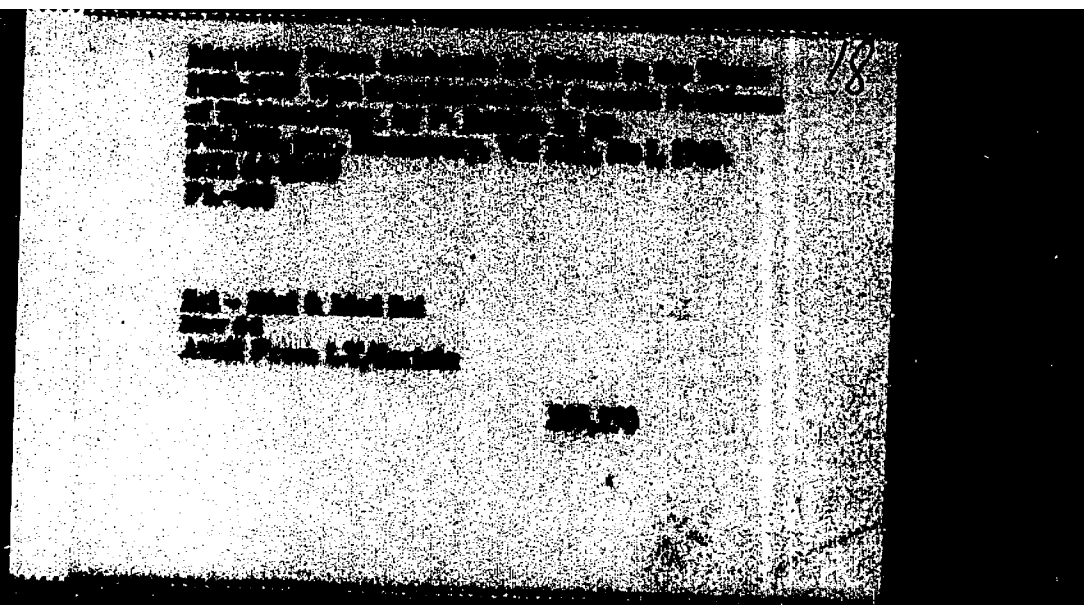
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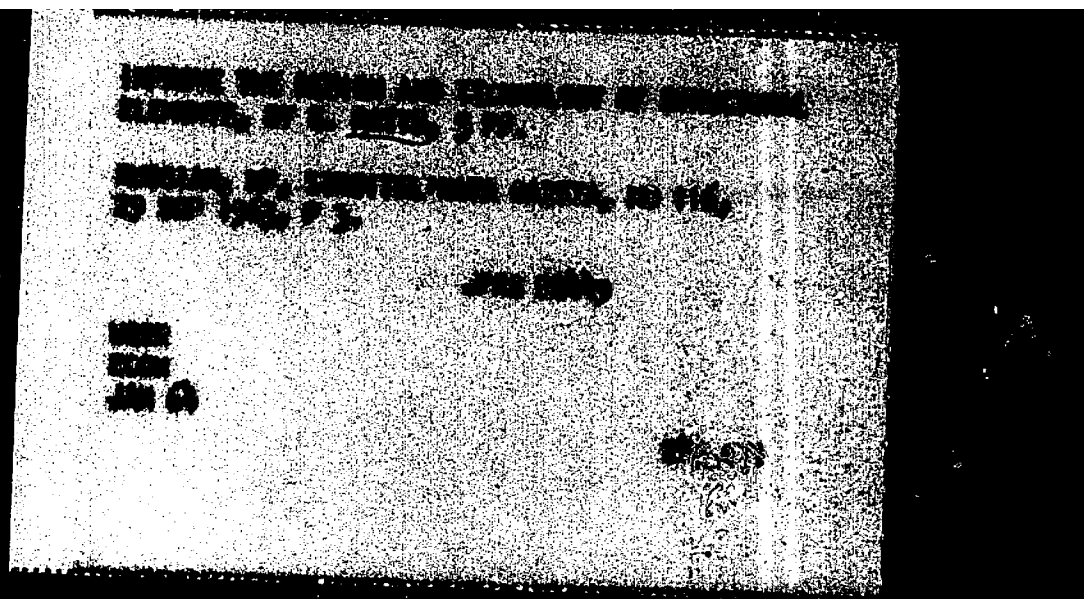
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Order from OTS or SLA \$1.10

61-13588

Trans. of [Akademiya Nauk SSSR. Doklady] 1952, v. 83,
no. 3, p. 443-[446].
Other translations are available from LC or SLA
mi\$1.80, ph\$1.80 as 59-15157 [1959] 6p. and from OTS
\$0.50 as 60-41443, JPRS-4064, 23 Sep 60, 6p.

DESCRIPTORS: *Friction, Theory

For abstract see Technical Translations 2: 361, 1959
or 4: 635, 1960.

(Mechanics--Statics, TT, v. 6, no. 4)

61-13588

I. RATTNER, S. R.
II. Trans-T/L-930
III. DSIR LLU M. 2103

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Rattner, S. B.

ON THE RATE OF WEAR OF RUBBER AND ITS
RELATION TO COEFFICIENT OF FRICTION [O
Pokazatele Istiraniya Reziny i Yego Soyazi s Koeffi-
sientom Treniya]. [1960] 5p. 6 refs. M2190.
Order from LC or SLA m\$1.80, ph\$1.80 61-13685

Trans. of [Akademiya Nauk SSSR. Doklady] 1952, v. 87
no. 5, p. 743-[746].
Another translation is available from OTS \$0.50 as
60-41421, JPRS-4051, 21 Sep 60, 6p.

(Materials--Rubber, TT, v. 5, no. 2)

61-13685

1. Rubber--Friction
2. Rubber--Deterioration
- I. Rattner, S. B.
- II. DSIR LLU M. 2190

Office of Technical Services

Transmission of Stress to Concrete by the
Steel in Prestressed Members, by E. G. Ratts,
M. M. Kholmyanskiy, V. M. Kol'nev, 28 pp.

RUSSIAN, per, Beton i Zhelazobeton, No 1,
1958, pp 4-13.

SLA 60-15378

Sci
Sep 61

169,362

Comparative Effect of Certain Antibiotics Upon
Ornithosis Virus in Animal Experiments, by V. M.
Ya Bolotovskiy, L. S. Ratushkina, 3 pp.

RUSSIAN, per, Voprosy Virusologii, Vol IV, No 6,
1959, pp 710-713.

PP

Sci
Oct 60

128,526

Titrimetric Determination of Hydrogen Ion
Concentration, by G. Ratushnyi.

RUSSIAN, per, Vinodelie i Vinogradarstvo
SSSR, Vol VI, No 213, 1962, pp 3-6.

CSIRO/No 6334

Sol-Chem

Oct 63

241,425

Ratusky, J., Sorm, F. and others.
APPARATUS FOR THE PRODUCTION OF POTAS-
SIUM TEREPHTHALATE. [1961] [4p.
Order from OTS or SLA \$1.10

62-10327

Trans. of Czechoslovakian patent 89919, cl. 12 o, 14,
registered 25 Nov 56, exhibited 15 Aug 58, patent
valid 25 Nov 57, pub. 15 May 59.

DESCRIPTORS: *Potassium compounds, *Phthalates,
*Terephthalic acid, Esters, Production, Catalysts,
*Laboratory equipment, Pressure vessels, Design.

The equipment, according to our invention, consists
of two counter-rotating, intermeshing worm gears
which are enclosed in a pressurized container the
diameter of which corresponds to the outer circumfer-
ence of the gears. The dry, free-flowing mixture of
potassium phthalate plus catalyst is introduced at one
(Engineering--Chemical, TT, v. 7, no. 10) (over)

62-10327

I. Ratusky, J.
H. Sorm, F.
III. Patent (Czechoslovakia)
89 919

208348

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Ratusky, Josef and Novosad, Jan.
A METHOD FOR THE PRODUCTION OF NORMAL
ALKALINE SALTS OF ISOMERIC PHTHALIC ACIDS.
[1961] 5p.

Order from OTS or SLA \$1.10

61-18610

Trans. of Czechoslovakian patent 95337, appl. 3 Sep 58
(PV 4498-58) valid from 3 Sep 58, issued 15 Nov 59,
pub. 15 Apr 60.

DESCRIPTORS: *Salts, Production, *Phthalic acids,
Isomers, Chemical reactions.

A method is given for the production of normal alkaline
salts of isomeric phthalic acids from the free acids,
characterized by the fact that the isomeric phthalic
acids are heated at a temperature of 250-370°C with
normal alkaline or acid alkaline salts of phthalic acid
at atmospheric or sub-atmospheric pressure, the re-
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-18610

- I. Ratusky, J.
- II. Novosad, J.
- III. Patent (Czechoslovakia)
95 337

Office of Technical Services

sulting phthalic anhydride and reaction water being continuously distilled out of the reaction mixture.

PB-

61-18610

Ratusky, Josef and Novosad, Jan.
A NEW METHOD AND APPARATUS FOR PRODUCING
ESTERS OF ISOMERIC PHTHALIC ACIDS. [1961]
[7]p.

Order from OTS or SLA \$1.10

61-18612

Trans. of Czechoslovakian patent 93557, appl.
9 Aug 58 (PV 4157-58) patent valid from 9 Aug 58, pub.
15 Jan 60, issued 15 Apr 59.

DESCRIPTORS: *Phthalic acids, *Isomers, Esterifica-
tion, *Esters, Production, Pressure vessels, Design.

A method is described for preparing esters of isomeric
phthalic acids, in which a mixture of acid, alcohol, and
a catalyst is mixed while being heated at a temperature
of 200 to 335°C. The method is characterized by the
fact that alkaline salts of these acids are used as the
catalyst, counter-flow esterification of the alcohol
(Chemistry--Organic, TT, v. 6, no. 9)

(over)

61-18612

I. Ratusky, J.
II. Novosad, J.
III. Patent (Czechoslovakia)
93 557

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being achieved by spiral shunting, the alcohol taking up the developing esters, which are thus freed from impurities.

PB-

61-18612

Ratusky, Josef and Sorm, Frantisek.
A METHOD FOR THE PRODUCTION OF TEREPHTHALIC ACID FROM POTASSIUM TEREPHTHALATE. [1961] 4p.
Order from OTS or SLA \$1.10

61-18609

Trans. of Czechoslovakian patent 94033, appl.
18 Nov 57 (PV 4370-57) valid from 18 Nov 57, issued
15 May 58, pub. 15 Feb 60.

DESCRIPTORS: *Phthalic acids, Production, Potassium compounds, *Phthalates, Chemical reactions.

A method is given for the production of terephthalic acid from potassium terephthalate, characterized by the fact that acid potassium terephthalate is precipitated from an aqueous solution of potassium terephthalate by the action of carbon dioxide at a pressure of 1-70 atmospheres, and terephthalic acid is liberated (Chemistry--Organic, TT, v. 6, no. 9) (over)

61-18609

I. Ratusky, J.
II. Sorm, F.
III. Patent (Czechoslovakia)
94 033

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from the acid potassium terephthalate by disproportionation on boiling with water.

PB-

61-18609